



AB

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Mutsumi KIMURA

Application No.: 10/058,116

Filed: January 29, 2002

Docket No.: 111829

For: SEMICONDUCTOR DEVICE, CIRCUIT BOARD, ELECTRO-OPTICAL DEVICE,
AND ELECTRONIC APPARATUS

PRELIMINARY AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D. C. 20231

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claims 3, 5, 10, 11 and 13-15 as follows:

3. (Amended) A semiconductor device according to Claim 1,
further comprising a sub gate electrode connected to the gate electrode.
5. (Amended) A semiconductor device according to Claim 3,
wherein the sub gate electrode is disposed so as to cover ends of the
semiconductor film.
10. (Amended) A semiconductor device according to Claim 1,
wherein the semiconductor film is formed on an insulating layer.
11. (Amended) A circuit board comprising a semiconductor device according to
Claim 1 and wires for supplying signals or electric power to the semiconductor device.

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13. (Amended) An electro-optical device comprising an electro-optical element and a semiconductor device according to Claim 7, the electro-optical element and the semiconductor device being used as at least one electronic circuit selected from the group consisting of shift registers, level shifters, buffer circuits, and analog switches.

14. (Amended) An electro-optical device according to Claim 12, wherein the electro-optical element is an organic electroluminescence element.


15. (Amended) An electronic apparatus comprising an electro-optical device according to Claim 12, the electro-optical device being used as a display.

REMARKS

Claims 1-15 are pending. By this Preliminary Amendment, claims 3, 5, 10, 11 and 13-15 are amended to remove multiple dependencies. Prompt and favorable examination on the merits is respectfully requested.

The attached Appendix includes marked-up copies of each rewritten claim (37 C.F.R. 1.121(c)(1)(ii)).

Respectfully submitted,


James A. Oliff
Registration No. 27,075

Eric D. Morehouse
Registration No. 38,565

JAO:EDM/gam

Attachment:
Appendix

Date: April 26, 2002

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461
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APPENDIX

Changes to Claims:

The following are marked-up versions of the amended claims:

3. ~~(Amended)~~ A semiconductor device according to Claim 1-~~or~~2,
further comprising a sub gate electrode connected to the gate electrode.
5. ~~(Amended)~~ A semiconductor device according to Claim 3-~~or~~4,
wherein the sub gate electrode is disposed so as to cover ends of the
semiconductor film.
10. ~~(Amended)~~ A semiconductor device according to ~~any one of~~ Claims 1-~~to~~9,
wherein the semiconductor film is formed on an insulating layer.
11. ~~(Amended)~~ A circuit board comprising a semiconductor device according to
~~any one of~~ Claims 1-~~to~~10 and wires for supplying signals or electric power to the
semiconductor device.
13. ~~(Amended)~~ An electro-optical device comprising an electro-optical element
and a semiconductor device according to ~~any one of~~ Claims 7-~~to~~9, the electro-optical element
and the semiconductor device being used as at least one electronic circuit selected from the
group consisting of shift registers, level shifters, buffer circuits, and analog switches.
14. ~~(Amended)~~ An electro-optical device according to Claim 12-~~or~~13, wherein
the electro-optical element is an organic electroluminescence element.
15. ~~(Amended)~~ An electronic apparatus comprising an electro-optical device
according to ~~any one of~~ Claims 12-~~to~~14, the electro-optical device being used as a display.